

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER II • EXAMINATION – WINTER • 2014

Subject code: 2220006

Date: 11-01-2017

Subject Name: Environmental Studies

Time: 02:30 pm - 05:30 pm

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|-------------|---|-----------|
| Q.1 | (a) What do you mean by food chain? Explain different types of food chain with example. | 06 |
| | (b) Explain Grassland ecosystem and Lake ecosystem in detail. | 05 |
| | (c) What is noise pollution? How is it measured? Discuss noise rating systems. | 05 |
| Q.2 | (a) Define pollution, pollutants and population explosion. | 06 |
| | (b) What is biogeochemical cycle? Explain carbon cycle with neat sketch. | 05 |
| | (c) State the types of ecological pyramid and describe the pyramid of energy showing the energy flow. | 05 |
| Q.3 | (a) Enlist different air pollutant and explain their effects on human beings. | 06 |
| | (b) Describe the terms consumers and decomposers and their relationship. | 05 |
| | (c) Write a note on renewable natural resources and its conservation. | 05 |
| Q.4 | (a) Discuss the effects of deforestation on the ecosystem. Explain the means of conservation of forest. | 06 |
| | (b) Write a brief note on Global Warming and Green House Effect. | 05 |
| | (c) Explain the role of individual in the prevention of pollution. | 05 |
| Q.5 | (a) Describe the causes, effects and Control of water pollution. | 06 |
| | (b) Write the causes and effects of acid rain. | 05 |
| | (c) Write a note on depletion of ozone layer. | 05 |
| Q. 6 | (a) Write in brief the impact of technology on environment. | 06 |
| | (b) Write about the surface and ground water sources. | 05 |
| | (c) Write in brief about causes and effects of thermal pollution. | 05 |
| Q.7 | (a) Write down the causes, effects and control of land degradation. | 06 |
| | (b) Explain the hydrologic cycle with a neat sketch. | 05 |
| | (c) Discuss the scope and importance of environment studies in the present day Education System. | 05 |
